

### Description

90.910 UniMix Ultra Fast Acrylic Glossy Binder is used to produce topcoats which are extremely fast-drying while providing brilliant and smooth surface. It offers excellent resistance to chemicals and weathering. This product is mainly used for cars, trucks and commercial vehicles, etc.

### Features

- drying without oven baking allows fuel and electricity savings
- air drying (20 °C/68 °F): 50 – 60 min
- forced drying possible (60 °C/140 °F): 3 – 5 min
- good leveling, excellent gloss, smooth surface
- compliant with VOC 420 requirements

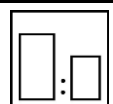
### Substrate preparation



UniMix topcoat should be applied over primers and polyurethane/polyester fillers. Preparation of the surface should be performed as it is instructed for a certain primer/filler.

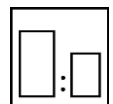
All surfaces need to be thoroughly cleaned, dried and degreased with appropriate anti-silicone cleaner.

### Mixing with UniMix tinters



90.910 UniMix binder must be mixed with UniMix tinters according to the formulations in the UniMix software.

### Mixing ratio

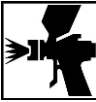



		<u>Airless</u>	<u>Spray gun</u>
<b>Mixing ratio</b> (weight)	Mixed colour	1000	1000
	90.915/90.917 hardener	460	460
	7050/7070 Acrylic thinner	-	0 - 50
<b>Mixing ratio</b> (volume)	Mixed colour	2	2
	90.915/90.917 hardener	1	1
	7050/7070 Acrylic thinner	-	0 - 5 %


For larger surfaces use slow hardener 90.917 or even slow thinner 7070.

At temperatures above 30 °C/86 °F use slow hardener 90.917 or/and slow thinner 7070.

### Application

	<u>Airless</u>		<u>Spray gun</u>	
		<b>Spray gun set up:</b>	9 – 11 / 120 – 140 bar	1,3 – 1,6 mm / 2 – 2,5 bar
	<b>No. of layers:</b>	2	2	
	<b>Flash off (20 °C/68 °F):</b>	10 – 15 minutes	5 – 10 minutes	
	<b>Viscosity (DIN 4 20 °C/68 °F):</b>	20 – 22 s	17 – 19 s	

### Drying

	<u>90.915 hardener</u>		<u>90.917 slower hardener</u>	
	<u>for general use</u>		<u>for larger surfaces and high T.</u>	
	<b>Dust free (20 °C/68 °F):</b>	20 min	30 min	
	<b>Dry to handle (20 °C/68 °F):</b>	50 – 60 min	50 – 60 min	
	<b>Dry to handle (60 °C/140 °F):</b>	3 – 5 min	5 – 7 min	
	<b>IR:</b>	8 min	8 – 10 min	
	<b>Potlife (20°C):</b>	75 min	75 min	
	<b>Dry film thickness:</b>	45 – 50 µm	45 – 50 µm	

### Coverage

<b>Theoretic yield:</b>	9 – 11 m <sup>2</sup> /kg of ready for use product gives 45 µm thick dry film
<b>Maximum chemical resistance:</b>	after 7 days
<b>Film appearance:</b>	glossy; 99 % (60° angle)
<b>Maximum Adhesion (ASTM D 3359):</b>	B = 5 on surfaces treated like above reported

### VOC of mixed colour

2004/42/IIB(e)(840)&lt;600

### Health and safety

For Health, Safety and Environmental instructions please refer to relevant Safety Data Sheets and labels on the cans. Storage conditions should also be considered.

Article no.	Description	Volume	Packaging
90.910	UniMix 2K UHS Ultra Fast Acryl Glossy Binder	20 kg	/

### Additional information

**FOR PROFESSIONAL USE ONLY!**

Always read the instructions.

**IMPORTANT:** This product contains hazardous substances at work so it is necessary to always use/wear appropriate protective equipment. For further instructions, check the label on the product and safety data sheet. A person who uses the product for any purpose other than recommended in this technical data sheet, acts at his own risk. It is the user's responsibility to take all necessary steps to fulfil the local legislation.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public.

Information and methods described are based on the best information and practices known to us and serve merely as guidelines for optimal use, without liability to performance, results or fitness for any intended use. We do not accept any responsibility for the behaviour of the product or damage arising from the use of the product. Before using the product, the user must check if this is the latest version.

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